



Curriculum Vitae

Faculty Name: Dr. Deirdre Vaden **Work Address:** P.O. Box 519; MS 2210
Prairie View, TX 77446

Position Title: Associate Professor
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D., Biological Sciences	Wayne State University	2000
	M.S., Biological Sciences	Wayne State University	1993
	B.S., Biology	Prairie View A&M University	1990

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Associate Professor	Prairie View A&M University	2010 - present
	Assistant Professor	Prairie View A&M University	2004 - 2010

Professional Publications:

Shi, Y., Vaden, D.L., and Greenberg, M.L. (2005) Genetic Perturbation of Glycolysis Results in Inhibition of De Novo Inositol Biosynthesis. *J. Biol. Chem.* 280(51): 41805-10. Epub 2005 Oct 12.

Vaden, D.L., Gohil, V., Gu, Z. and Greenberg, M.L. (2005) Separation of Yeast Phospholipids Using One Dimensional Thin Layer Chromatography. *Analytical Biochemistry* 338 (1):162-164.

Shaldubina, A., Ju, S., Vaden, D.L., Ding, D., Belmaker R.H. and Greenberg, M.L. (2002) Epi-inositol Regulates Expression of the Yeast INO1 Gene Encoding Inositol-1-Phosphate Synthase. *Mol. Psychiatry.* 7 (2): 174-180.

Vaden, D.L., Ding, D., Peterson, B. and Greenberg, M.L. (2001) Lithium and Valproate Decrease Inositol Mass and Increase Expression of the Yeast INO1 and INO2 Genes for Inositol Biosynthesis. *J. Biol. Chem.* 276 (18):15466-71.

Additional Trainings/Skills:

TECHNICAL SKILLS: Molecular Biology, Biochemistry, Bioinformatics, Genetics, Computer
Extensive experience in molecular cloning, DNA/RNA extraction, DNA transformation, PCR, electrophoresis, DNA sequencing, gene disruption, in vitro mutagenesis, Southern blot, Northern blot, RT-PCR, Western blot, enzyme assays, protein purification, chromatography, fluorescent/confocal microscopy, electron microscopy, electrospray ionization tandem mass spectroscopy, yeast classical and molecular genetics, yeast tetrad analysis, complementation analysis, genomic library screening, yeast two-hybrid screen, microarray. Proficient in MS Office, Photoshop, PowerPoint, Moodle, web-based sequence analysis, molecular modeling and data processing procedures